

Recombinant Human SIT1 293 Cell Lysate

Cat. No. SIT1-1827HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for signaling threshold regulating transmembrane adaptor 1 (SIT1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [SIT1 signaling threshold regulating transmembrane adaptor 1 \[Homo sapiens \]](#)

Official Symbol [SIT1](#)

Synonyms [SIT1](#); signaling threshold regulating transmembrane adaptor 1; suppression inducing transmembrane adaptor 1; signaling threshold-regulating transmembrane adapter 1; SHP2 interacting transmembrane adaptor; SIT; gp30/40; suppression-inducing transmembrane adapter 1; SHP2-interacting transmembrane adapter protein; SHP2-interacting transmembrane adaptor protein; RP11-331F9.5; MGC125908; MGC125909; MGC125910;

Gene ID [27240](#)

mRNA Refseq [NM_014450](#)

Protein Refseq [NP_055265](#)

MIM [604964](#)

UniProt ID [Q9Y3P8](#)

Chromosome Location 9p13-p12

Pathway T Cell Receptor Signaling Pathway, organism-specific biosystem;

Function SH2 domain binding; kinase binding; protein binding;

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